C.J.V.R. — INDEX — R.C.R.V.
VOLUME 51 — 1987

Author Index — Index des auteurs

Abe, F., 528
Abou-Madi, N., 513
Acres, S.D., 83
Adviento, M.A., 204
Afshar, A., 542
Aherne, F.X., 394
Al-Lebban, Z.S., 162
Allen, D.G., 236
Allen, J.R., 373
Alves, S.F., 46
Anderson, C.A., 281
Arighi, M., 66, 76
Armstrong, C.H., 185

Babiuk, L.A., 83, 350, 428,452
Baird, J.D., 66, 76, 232
Baker, P.E., 350
Ballinger, J.A., 244
Barlough, J.E., 56
Baumal, R., 387, 475
Bellamy, J.E.C., 253, 261, 271
Berkhoff, H.A., 312
Besser, T.E., 27
Bickis, M.G., 465
Bielefeldt Ohmann, H., 350
Bjornson, G., 404
Black, J.G., 460
Blais, D., 513
Blakley, B.R., 240, 399
Blau, K.A., 157
Blue, J.L., 150
Bondy, G.S., 490
Boothby, J.T., 121
Bosu, W.T.K., 521
Bourgon, A.R., 117
Bowman, D.D., 277
Brennan, J.J., 394
Britton, A.P., 198
Brooks, B.W., 285
Brown, C.C., 46
Bundza, A., 531
Burton, J.H., 66, 76

Callis, J.J., 358
Campbell, J.B., 363
Cardella, M.A., 204
Caterson, I.D., 60
Charlton, K.M., 117, 363, 460
Chirino-Trejo, J.M., 297, 301, 444
Cho, H.J., 99
Chu, Hsien-Jue, 281
Clark, E.G., 50, 104
Clarke, R.C., 32, 436
Collier, L.L., 407
Conlon, P.D., 345
Cooke, E.M., 104
Coppens, P., 513
Corbeil, L.B., 27, 157
Corbett, W.T., 312
Costerton, J.W., 83
Crane, S., 189
Curtis, S.E., 525

Dalrymple, R.H., 217
D'Allaire, S., 506
Dardiri, A.H., 358
Darlington, R.L., 539
Davies, C.P., 306
Davis, E.V., 212
Descôteaux, J.P., 249
DiGiacomo, R.F., 539
Dimmick, J., 404
Dion, W., 285
Doherty, T.J., 244
Dohoo, I.R., 39
Doig, P.A., 440
Doré, A.C., 39
Downing, D.R., 56
Ducharme, N.G., 66, 76, 232
Dulac, G.C., 542
Dyson, D.H., 236

Edwards, J.F., 358
El-Awar, F.Y., 421
Evermann, J.F., 212, 539
Eyre, P., 345

Fletcher, T.F., 50
Freeman, M.J., 185

Gajadhar, A.A., 373
Gale, S.P., 536
Gallagher, S., 521
Garcia, M.M., 285, 531
Gentry, P.A., 490
Griebel, P.J., 428
Guénette, D., 249
Gyles, C.L., 32, 436

Hadlow, W.J., 135
Hagemoser, W.A., 145, 326
Hagstad, H.V., 152
Hahn, E.C., 421
Haines, D.M., 104
Hancock, D.S., 399
Harnett, N.M., 436
Hill, H.T., 326, 334, 340
Hill, M.A., 217
Higgins, R.J., 281
Hopkins, S.G., 539
Horney, F.D., 66, 76
Howe, C.J., 60
Hubbert, W.T., 152

Inumaru, S., 95
Ingwersen, W., 236
Isler, C.M., 253, 261, 271

Jacobson, R.H., 56
Jansen, B.S., 387, 475
Jasper, D.E., 121
Jericho, K.W.F., 417
Johnson, W.H., 198
Johnston, D.H., 460
Johnstone, I.B., 189
Jones, J.B., 162
Jorgensen, S.T., 436

Kennedy, R.C., 135
Khan, A.A., 174
Kiorpes, A.L., 277
Kirkpatrick, C.E., 277
Kitson-Piggot, A.W., 448
Kluge, J.P., 326
Kokoskin-Nelson, E., 531
Korsrud, G.O., 316
Kreplin, C.M.A., 440
Kurtz, H.J., 50

Lake, M.C., 470
Lange, R.D., 162
Lawson, K.F., 460
Leman, A.D., 506
Leslie, K.E., 198
Liggett, A.D., 150
Lillie, L.E., 174
Lopez, A., 533
Lothrop, C.D., 162
Louis, C.F., 50
Lovejoy, D., 174
Lumsden, J.H., 387, 499
Lussier, G., 249
Lynch, T.J., 56

MacNeil, J.D., 316
MacWilliams, P., 521
Madewell, B.R., 517
Martin, S.W., 495, 499
McCabe, K., 383
McCraw, B.M., 232
McDonell, W.N., 244
McFarland, M.D., 334, 340
McKeirnan, A.J., 212
Mechor, G.D., 452
Meek, A.H., 39
Metz, A.L., 50
Middleton, D.J., 60
Miller, R.B., 198, 229, 440
Montgomery, E., 181, 495
Morck, D.W., 83
Mottart, E., 513
Munn, R.J., 517

Nagahata, H., 126
Nakajima, H., 95
Nakamura, K., 528
Nakano, T., 394
Naylor, J.M., 316
Nelligan, J., 83
Nervig, R.M., 204
Nicholson, V.M. 229
Niilo, L., 99, 224
Noda, H., 126

O'Brien, P.J., 50
O'Grady, M., 236
Ogunbiyi, P.O., 345
Oikawa, H., 95
Olander, H.J., 46
Olson, M.E., 383
Ott, R.L., 212
Ouwerkerk, T., 285

Pang, V.F., 421
Pascoe, P.J., 236, 244
Pennock, P.W., 232
Perron, R.J., 345
Peter, A.T., 521
Petrie, L., 452
Philippart, C., 513
Phillips, L.P., 517
Pirtle, E.C., 145
Polley, L., 465
Prescott, J.F., 229, 297, 301, 444, 448
Prieur, D.J., 157, 407
Prior, M.G., 174

Race, R.E., 135
Radostits, O.M., 452
Raybould, T.J.G., 83
Reed, B.K., 50
Rempel, W.E., 50
Rhodes, A.J., 460
Rosendal, S., 198
Ross, M.L., 490
Rousseaux, C.G., 399, 452
Ruhnke, H.L., 198, 440

St. Aubin, D.J., 409
Saito, S., 126
Sands-Freeman, L., 185
Sanford, S.E., 481, 486
Sarmiento, U.M., 89, 110
Saunders, J.R., 379
Saunders, L.Z., 1
Sawyer, M.M., 281
Scheifele, D., 404
Schmidt, S.P., 145, 326
Schofield, L.N., 379
Schoonderwoerd, M., 428
Scott, F.W., 56
Serteyn, D., 513
Sharma, A.K., 174
Sharma, R.M., 174
Shewen, P., 533
Simon, J., 525
Slocombe, J.O.D., 232, 470
Smith, H.J., 169, 194, 370, 413, 415
Snowdon, K.E., 413, 415
Southorn, B.G., 319
Stagg, L.M., 152
Stein, T.E., 506
Stewart, R.B., 285, 363

Tabatabai, L.B., 334
Thomas, C.B., 121
Thompson, J.R., 319
Thorner, P.S., 387, 475
Tisch, D.A., 525
Todd, K.S., 525
Tolson, N.D., 363
Trudel, J.R.R., 285

Valenzuela, J., 470
Valli, V.E.O., 89, 110, 387, 475
Valliant, A.E., 244
Van Dreumel, A.A., 76
Vinal, A.C., 312

Wages, D.P., 145
Walker, R.L., 383
Wang, F.I., 421
Ward, A.C.S., 27, 157
Watson, A.D.J., 60
Webster, A.J.F., 306
Webster, W.A., 367
Weiss, R., 150
White, M.E., 181, 495
Wiktor, T.J., 363
Williams, T.J., 421
Wobeser, G.A., 253, 261, 271
Woodward, W.D., 27
Wright, P.F., 542

Yager, J.A., 290, 444
Yates, W.D.G., 316, 373
Yedloutschnig, R.J., 358
Yong, S., 533

Zee, Y.C., 281
Zink, M.C., 290

Subject Index — Index des sujets

A

Abortion
— Leptospirosis in Horses in Ontario, 448
Anaplasmosis
— Attempted Transmission to Cattle of *Anaplasma marginale* from Overwintered *Dermacentor andersoni* Ticks, 379
Anesthesia
— Effects of Saffan on Cardiopulmonary Function in Healthy Cats, 236
— Effets circulatoires et respiratoires de la kétamine chez le cheval anesthésié à l'halothan, 513
— Guaifenesin Alone or in Combination with Ketamine or Sodium Pentobarbital as an Anesthetic in Rabbits, 383
Antibiotics
— The Resemblance of Clinical Attributes Between Mastitic Cows with No Growth on Bacterial Milk Cultures and those with Gram-positive Bacteria Cultured, 181
Arsenic
— The Effect of Arsenic on Urethan-induced Adenoma Formation in Swiss Mice, 240
Ascaris suum
— Pulmonary Bacterial Deposition and Clearance During Ascarid Larval Migration in Weanling Pigs, 525
Autoimmune Disease
— Avidin-Biotin-Peroxidase Complex Immunohistochemistry to Detect Immunoglobulin in Formalin Fixed Skin Biopsies in Canine Autoimmune Skin Disease, 104

B

Border Disease
— Enzyme-linked Immunosorbent Assay for the Detection of Antibodies to Bovine Virus Diarrhea Virus in Sera from Border Disease Virus-infected Sheep, 281
Bovine Herpesvirus Type 1
— Effect of Dexamethasone on Bovine Leukocyte Functions and Bovine Herpesvirus Type-1 Replication, 350
— Protection of Newborn Calves against Fatal Multisystemic Infectious Bovine Rhinotracheitis by Feeding Colostrum from Vaccinated Cows, 452
Bovine Leukemia Virus
— Stability of Bovine Leukemia Virus Antigens, 95
Bovine Leukosis
— Control of Bovine Leukosis Virus in a Dairy Herd by a Change in Dehorning, 539
Breeding
— Culling Patterns in Selected Minnesota Swine Breeding Herds, 506
Bromhexine
— Deposition and Clearance of Monodisperse Aerosols in the Calf Lung: Effects of Particle Size and a Mucolytic Agent (Bromhexine), 306
Brucella ovis
— Diagnostic Sensitivity and Specificity of an Enzyme-linked Immunosorbent Assay for the Diagnosis of *Brucella ovis* Infection in Rams, 99

C

Calicivirus
— Vesicular Exanthema of Swine Virus: Isolation and Serotyping of Field Samples, 358

Caseous Lymphadenitis
— Synergistic Hemolysis-Inhibition Titers Associated with Caseous Lymphadenitis in a Slaughterhouse Survey of Goats and Sheep in Northeastern Brazil, 46

Cats
— Comparative Properties of Feline Coronaviruses *in vitro*, 212
— Effects of Saffan on Cardiopulmonary Function in Healthy Cats, 236
— Endocytosis of Erythrocytes *in vivo* and Particulate Substances *in vitro* by Feline Neoplastic Mast Cells, 517
— The Kinetics-based Enzyme-linked Immunosorbent Assay for Coronavirus Antibodies in Cats. Calibration to the Indirect Immunofluorescence Assay and Computerized Standardization of Results through Normalization to Control Values, 56
— Neutropenia in Cats with the Chediak-Higashi Syndrome, 407
— Suppression of Cortisol Responses to Exogenous Adrenocorticotrophic Hormone, and the Occurrence of Side Effects Attributable to Glucorticoid Excess, in Cats during Therapy with Megestrol Acetate and Prednisolone, 60

Cattle
— Association of Eosinophilic Myositis with an Unusual Species of *Sarcocystis* in a Beef Cow, 373
— Attempted Transmission to Cattle of *Anaplasma marginale* from Overwintered *Dermacentor andersoni* Ticks, 379
— Changes in N-Acetyl-B-D-Glucosaminidase and B-Glucuronidase Activities in Milk during Bovine Mastitis, 126
— Characteristics of the Labile Neurotoxin Associated with Nervous Coccidiosis, 271
— A Comparison of Discriminant Analysis and Logistic Regression for the Prediction of Coliform Mastitis in Dairy Cows, 495
— Control of Bovine Leukosis Virus in a Dairy Herd by a Change in Dehorning, 539
— Deposition and Clearance of Monodisperse Aerosols in the Calf Lung: Effects of Particle Size and a Mucolytic Agent (Bromhexine), 306
— Effect of Dexamethasone on Bovine Leukocyte Functions and Bovine Herpesvirus Type-1 Replication, 350
— The Effect of Intrauterine Inoculation with *Ureaplasma diversum* on Bovine Fertility, 440
— Effects of High Dietary Sulphur on Enzyme Activities, Selenium Concentrations and Body Weights of Cattle, 174
— Effects of Infectious Bovine Rhinotracheitis Virus Infection on Bovine Airway Reactivity, 345
— The Effects of Two *Ureaplasma diversum* Strains on Early Pregnancy in Heifers, 536
— Experimental Intramammary Inoculation with *Mycoplasma bovis* in Vaccinated and Unvaccinated Cows: Effect on Local and Systemic Antibody Response, 121
— Gastrointestinal Nematode Parasites in Saskatchewan Cattle: Egg Count Distributions in Beef Animals, 465
— Inhibitory Effect of Trichothecene Mycotoxins on Bovine Platelets Stimulated by Platelet Activating Factor, 490
— *In vitro* Exposure of Bovine Morulae to *Ureaplasma diversum*, 198
— *In vitro* Growth Inhibition of Mastitis Pathogens by Bovine Teat Skin Normal Flora, 27
— Isolation of *Leptospira hardjo* from Kidneys of Ontario Cattle at Slaughter, 229
— Labile Neurotoxin in Serum of Calves with "Nervous" Coccidiosis, 253
— Necrobacillary Bronchopneumonia in a Steer, 531
— Ontogeny of the Immune Response: Effect of Protein Energy Malnutrition in Neonatal Calves, 428
— Pathogenesis of Neurological Signs Associated with Bovine Enteric Coccidiosis: A Prospective Study and Review, 261
— Peripartal Changes in Serum Alkaline Phosphatase Activity and Lactate Dehydrogenase Activity in Dairy Cows, 521
— Persistence of Chloramphenicol Residues in Calf Tissues, 316
— Plasmids of *Salmonella muenster* and Their Relation to Virulence, 436
— Protection of Newborn Calves against Fatal Multisystemic Infectious Bovine Rhinotracheitis by Feeding Colostrum from Vaccinated Cows, 452
— The Relationship of Hematology and Serum Chemistry Parameters to Treatment for Respiratory Disease and Weight Gain in Ontario Feedlot Calves, 499
— The Resemblance of Clinical Attributes Between Mastitic Cows with No Growth on Bacterial Milk Cultures and those with Gram-positive Bacteria Cultured, 181
— Serum Susceptibility of Bovine Pasteurellas, 157
— Stability of Bovine Leukemia Virus Antigens, 95
— Toxigenic Characteristics of *Clostridium perfringens* Type C in Enterotoxemia of Domestic Animals, 224
— Vaccination of Calves with a Diaminopimelic Acid Mutant of *Salmonella typhimurium*, 32
— Vaccination Studies Against Experimental Bovine *Pasteurella* Pneumonia, 204

Chediak-Higashi Syndrome
— Neutropenia in Cats with the Chediak-Higashi Syndrome, 407

Chickens
— Ocular Lesions in Chickens Inoculated with *Escherichia coli*, 528

Chloramphenicol
— Persistence of Chloramphenicol Residues in Calf Tissues, 316

Cimaterol
— Evaluation of Feet and Skeletons of Limbs from Pigs Treated with a Repartitioning Agent, Cimaterol, 217

Clostridium perfringens
— Toxigenic Characteristics of *Clostridium perfringens* Type C in Enterotoxemia of Domestic Animals, 224

Coccidiosis
— Characteristics of the Labile Neurotoxin Associated with Nervous Coccidiosis, 271
— Labile Neurotoxin in Serum of Calves with "Nervous" Coccidiosis, 253
— Pathogenesis of Neurological Signs Associated with Bovine Enteric Coccidiosis: A Prospective Study and Review, 261

Colisepticemia
— Epidemiological Study of the Relationship between Congo Red Binding *Escherichia coli* and Avian Colisepticemia, 312

Copper
— Pathogenesis of Neurological Signs Associated with Bovine Enteric Coccidiosis: A Prospective Study and Review, 261

Coronavirus
— Comparative Properties of Feline Coronaviruses *in vitro*, 212
— The Kinetics-based Enzyme-linked Immunosorbent Assay for Coronavirus Antibodies in Cats. Calibration to the Indirect Immunofluorescence Assay and Computerized Standardization of Results through Normalization to Control Values, 56

Corynebacterium pseudotuberculosis
— Synergistic Hemolysis-Inhibition Titers Associated with Caseous Lymphadenitis in a Slaughterhouse Survey of Goats and Sheep in Northeastern Brazil, 46

Cyclic Hematopoiesis
— Long-term Bone Marrow Culture Systems: Normal and Cyclic Hematopoietic Dogs, 162

Cytotoxins
— Effect of Intratracheal Inoculation of *Pasteurella haemolytica* Cytotoxin on the Integrity of Rat Lung, 533

D

Dehorning
— Control of Bovine Leukosis Virus in a Dairy Herd by a Change in Dehorning, 539

Dexamethasone
— Effect of Dexamethasone on Bovine Leukocyte Functions and Bovine Herpesvirus Type-1 Replication, 350

Dogs
— Avidin-Biotin-Peroxidase Complex Immunohistochemistry to Detect Immunoglobulin in Formalin Fixed Skin Biopsies in Canine Autoimmune Skin Disease, 104
— A Canine Lymphocyte Surface Antigen Detectable by a Monoclonal Antibody (DT200), 110
— The Effects of Desmopressin on Plasma Factor VIII/von Willebrand Factor Activity in Dogs with von Willebrand's Disease, 189
— Expression of the T200 Family of Glycoproteins in Canine Malignant Lymphoma, 89
— Long-term bone Marrow Culture Systems: Normal and Cyclic Hematopoietic Dogs, 162
— Malignant Hyperthermia Susceptibility: Cardiac Histomorphometry of Dogs and Young and Market-weight Swine, 50
— Scanning Electron Microscopy of Cellular and Acellular Glomeruli of Male Dogs Affected with Samoyed Hereditary Glomerulopathy and a Carrier Female, 475

E

Electron Microscopy
— Scanning Electron Microscopy of Cellular and Acellular Glomeruli of Male Dogs Affected with Samoyed Hereditary Glomerulopathy and a Carrier Female, 475
Embryo Transfer
— *In vitro* Exposure of Bovine Morulae to *Ureaplasma diversum*, 198
Endotoxin
— Hepatic Serine and Alanine Metabolism during Endotoxin-induced Fever in Sheep, 319
Enzyme-linked Immunosorbent Assay
— Comparison of Serological Tests for the Detection of Antibody to Natural and Experimental Murine Cytomegalovirus, 249
— Detection of *Trichinella spiralis notiva* Antibodies in Porcine Sera by ELISA using *T. spiralis spiralis* Excretory-Secretory Antigen, 413
— Diagnostic Sensitivity and Specificity of an Enzyme-linked Immunosorbent Assay for the Diagnosis of *Brucella ovis* Infection in Rams, 99
— Enzyme-linked Immunosorbent Assay for the Detection of Antibodies to Bovine Virus Diarrhea Virus in Sera from Border Disease Virus-infected Sheep, 281
— Evaluation of an Enzyme Immunoassay for Detection of Antibodies to Pseudorabies Virus in Porcine Field Sera, 542
— Evaluation of the ELIZA for the Serological Diagnosis of Trichinosis in Canadian Swine, 194
— The Kinetics-based Enzyme-linked Immunosorbent Assay for Coronavirus Antibodies in Cats. Calibration to the Indirect Immunofluorescence Assay and Computerized Standardization of Results through Normalization to Control Values, 56
Epidemiology
— A Comparison of Discriminant Analysis and Logistic Regression for the Prediction of Coliform Mastitis in Dairy Cows, 495
— Epidemiology of Strongyles in Ponies in Ontario, 470
— Factors Associated with Productivity in Canadian Sheep Flocks, 39
— Leptospirosis in Horses in Ontario, 448
Escherichia coli
— Epidemiological Study of the Relationship between Congo Red Binding *Escherichia coli* and Avian Colisepticemia, 312
— Ocular Lesions in Chickens Inoculated with *Escherichia coli*, 528

F

Feline Infectious Peritonitis
— Comparative Properties of Feline Coronaviruses *in vitro*, 212
— The Kinetics-based Enzyme-linked Immunosorbent Assay for Coronavirus Antibodies in Cats. Calibration to the Indirect Immunofluorescence Assay and Computerized Standardization of Results through Normalization to Control Values, 56
Fever
— Hepatic Serine and Alanine Metabolism during Endotoxin-induced Fever in Sheep, 319
Flow Cytometry
— Characterization of Porcine Peripheral Blood Leukocytes by Light-scattering Flow Cytometry, 421
Foxes
— Safety and Immunogenicity of a Vaccine Bait Containing ERA Strain of Attenuated Rabies Virus, 460
Fusobacterium necrophorum
— Necrobacillary Bronchopneumonia in a Steer, 531

G

Gamma Irradiation
— Evaluation of Gamma Radiation Levels for Reducing Pathogenic Bacteria and Fungi in Animal Sewage and Laboratory Effluents, 285
Giardia
— Isolation of *Giardia* from a Llama and from Sheep, 277
Glucocorticoids
— Suppression of Cortisol Responses to Exogenous Adrenocorticotrophic Hormone, and the Occurrence of Side Effects Attributable to Glucorticoid Excess, in Cats during Therapy with Megestrol Acetate and Prednisolone, 60
Glycosaminoglycan Polysulfate
— Effects of Glycosaminoglycan Polysulfate Treatment on Soundness, Hyaluronic Acid Content of Synovial Fluid and Proteoglycan Aggregate in Articular Cartilage of Lame Boars, 394
Goats
— A Descriptive Study of Dairy Goat Predation in Louisiana, 152
— Experimental Infection of Sheep and Goats with Transmissible Mink Encephalopathy Virus, 135
— Synergistic Hemolysis-Inhibition Titers Associated with Caseous Lymphadenitis in a Slaughterhouse Survey of Goats and Sheep in Northeastern Brazil, 46
Guaifenesin
— Guaifenesin Alone or in Combination with Ketamine or Sodium Pentobarbital as an Anesthetic in Rabbits, 383

H

Hematology
— The Relationship of Hematology and Serum Chemistry Parameters to Treatment for Respiratory Disease and Weight Gain in Ontario Feedlot Calves, 499
History of Veterinary Medicine
— From Osler to Olafson, The Evolution of Veterinary Pathology in North America, 1
Horses
— Antibody Response of Horses to *Rhodococcus equi* Antigens, 301
— Effets circulatoires et respiratoires de la kétamine chez le cheval anesthésié à l'halothane, 513
— Epidemiology of Strongyles in Ponies in Ontario, 470
— Experimental *Trichinella* Infections in Ponies, 415
— Extensive Large Colon Resection in the Pony I. Surgical Procedures and Clinical Results, 66
— Extensive Large Colon Resection in the Pony II. Digestibility Studies and Postmortem Findings, 76
— Leptospirosis in Horses in Ontario, 448
— Myospherulosis in the Subcutis of a Pony, 150
— Polyacrylamide Gel Electrophoresis of Whole-cell Preparations of *Rhodococcus equi*, 297
— Protection of Foals Against Experimental *Rhodococcus equi* Pneumonia by Oral Immunization, 444
— *Strongylus vulgaris* in the Tunica Media of Arteries of Ponies and Treatment with Ivermectin, 232
— Toxigenic Characteristics of *Clostridium perfringens* Type C in Enterotoxemia of Domestic Animals, 224
Humans
— Plasmids of *Salmonella muenster* and Their Relation to Virulence, 436

I

Idazoxan
— Antagonism of Xylazine Induced Sedation by Idazoxan in Calves, 244
Immune Response
— Ontogeny of the Immune Response: Effect of Protein Energy Malnutrition in Neonatal Calves, 428
Infectious Bovine Rhinotracheitis
— Effects of Infectious Bovine Rhinotracheitis Virus Infection on Bovine Airway Reactivity, 345
— Protection of Newborn Calves Against Fatal Multisystemic Infectious Bovine Rhinotracheitis by Feeding Colostrum from Vaccinated Cows, 452
Infectious Respiratory Disease
— Experimental Studies of Infectious Respiratory Disease, 417
Infertility
— The Effect of Intrauterine Inoculation with *Ureaplasma diversum* on Bovine Fertility, 440
— The Effects of Two *Ureaplasma diversum* Strains on Early Pregnancy in Heifers, 536
— *In vitro* Exposure of Bovine Morulae to *Ureaplasma diversum*, 198
Isoproterenol
— Effects of Infectious Bovine Rhinotracheitis Virus Infection on Bovine Airway Reactivity, 345
Ivermectin
— *Strongylus vulgaris* in the Tunica Media of Arteries of Ponies and Treatment with Ivermectin, 232

K

Ketamine
— Effets circulatoires et respiratoires de la kétamine chez le cheval anesthésié à l'halothane, 513

L

Lameness
— Effects of Glycosaminoglycan Polysulfate Treatment on Soundness, Hyaluronic Acid Content of Synovial Fluid and Proteoglycan Aggregate in Articular Cartilage of Lame Boars, 394

Latency
— Effect of Dexamethasone on Bovine Leukocyte Functions and Bovine Herpesvirus Type-1 Replication, 350
Leptospirosis
— Isolation of *Leptospira hardjo* from Kidneys of Ontario Cattle at Slaughter, 229
— Leptospirosis in Horses in Ontario, 448
Leukocytes
— Characterization of Porcine Peripheral Blood Leukocytes by Light-scattering Flow Cytometry, 421
Lymphocyte Antigens
— A Canine Lymphocyte Surface Antigen Detectable by a Monoclonal Antibody (DT200), 110
— Expression of the T200 Family of Glycoproteins in Canine Malignant Lymphoma, 89
Lymphoma
— Expression of the T200 Family of Glycoproteins in Canine Malignant Lymphoma, 89

M

Malignant Hyperthermia
— Malignant Hyperthermia Susceptibility: Cardiac Histomorphometry of Dogs and Young Market-weight Swine, 50
Mast Cells
— Endocytosis of Erythrocytes *in vivo* and Particulate Substances *in vitro* by Feline Neoplastic Mast Cells, 517
Mastitis
— Changes in N-Acetyl-B-D-Glucosaminidase and B-Glucuronidase Activities in Milk during Bovine Mastitis, 126
— A Comparison of Discriminant Analysis and Logistic Regression for the Prediction of Coliform Mastitis in Dairy Cows, 495
— *In vitro* Growth Inhibition of Mastitis Pathogens by Bovine Teat Skin Normal Flora, 27
— The Resemblance of Clinical Attributes Between Mastitic Cows with No Growth on Bacterial Milk Cultures and those with Gram-positive Bacteria Cultured, 181
McEachren, Duncan
— From Osler to Olafson, The Evolution of Veterinary Pathology in North America, 1
Megestrol Acetate
— Suppression of Cortisol Responses to Exogenous Adrenocorticotrophic Hormone, and the Occurrence of Side Effects Attributable to Glucorticoid Excess, in Cats during Therapy with Megestrol Acetate and Prednisolone, 60
Mice
— Characterization of Virulent and Attenuated Strains of Pseudorabies Virus for Thymidine Kinase Activity, Virulence and Restriction Patterns, 334
— The Effect of Arsenic on Urethan-induced Adenoma Formation in Swiss Mice, 240
— Embryotoxic Effects of Prenatal T-2 Toxin Exposure in Mice, 399
— Vaccination of Mice and Swine with a Pseudorabies Virus Mutant Lacking Thymidine Kinase Activity, 340
Murine Cytomegalovirus
— Comparison of Serological Tests for the Detection of Antibody to Natural and Experimental Murine Cytomegalovirus, 249
Mycoplasma bovis
— Experimental Intramammary Inoculation with *Mycoplasma bovis* in Vaccinated and Unvaccinated Cows: Effect on Local and Systemic Antibody Response, 121
Mycoplasma flocculare
— Serological Pathological and Cultural Evaluations of Swine Infected Experimentally with *Mycoplasma flocculare*, 185
Mycoplasma hyopneumoniae
— Serological Pathological and Cultural Evaluations of Swine Infected Experimentally with *Mycoplasma flocculare*, 185
Mycotoxin
— Embryotoxic Effects of Prenatal T-2 Toxin Exposure in Mice, 399
— Inhibitory Effect of Trichothecene Mycotoxins on Bovine Platelets Stimulated by Platelet Activating Factor, 490
Myositis
— Association of Eosiniphilic Myositis with an Unusual Species of *Sarcocystis* in a Beef Cow, 373
Myospherulosis
— Myospherulosis in the Subcutis of a Pony, 150

N

Nematodes
— Gastrointestinal Nematode Parasites in Saskatchewan Cattle: Egg Count Distributions in Beef Animals, 465
Neoplasia
— Endocytosis of Erythrocytes *in vivo* and Particulate Substances *in vitro* by Feline Neoplastic Mast Cells, 517
Nephritis
— Samoyed Hereditary Glomerulopathy: Serial, Clinical and Laboratory (Urine, Serum Biochemistry and Hematology) Studies, 387
Neurotoxin
— Characteristics of the Labile Neurotoxin Associated with Nervous Coccidiosis, 271
— Labile Neurotoxin in Serum of Calves with "Nervous" Coccidiosis, 253
Nutrition
— Ontogeny of the Immune Response: Effect of Protein Energy Malnutrition in Neonatal Calves, 428

O

Osler, William
— From Osler to Olafson, The Evolution of Veterinary Pathology in North America, 1

P

Pasteurella haemolytica
— Effect of Intratracheal Inoculation of *Pasteurella haemolytica* Cytotoxin on the Integrity of Rat Lung, 533
— Electron Microscopic Description of Glycocalyx and Fimbriae on the Surface of *Pasteurella haemolytica*-A1, 83
— Serum Susceptibility of Bovine Pasteurellas, 157
Pasteurella multocida
— Serum Susceptibility of Bovine Pasteurellas, 157
Pasteurellosis
— Vaccination Studies Against Experimental Bovine *Pasteurella* Pneumonia, 204
Peroxidase-Antiperoxidase
— The Demonstration of Rabies Antigen in Paraffin-embedded Tissues using the Peroxidase-Antiperoxidase Method: A Comparative Study, 117
Pigs
— Characterization of Porcine Peripheral Blood Leukocytes by Light-scattering Flow Cytometry, 421
— Culling Patterns in Selected Minnesota Swine Breeding Herds, 506
— Detection of *Trichinella spiralis nativa* Antibodies in Porcine Sera by ELISA using *T. spiralis spiralis* Excretory-Secretory Antigen, 413
— Effects of Glycosaminoglycan Polysulfate Treatment on Soundness, Hyaluronic Acid Content of Synovial Fluid and Proteoglycan Aggregate in Articular Cartilage of Lame Boars, 394
— Evaluation of an Enzyme Immunoassay for Detection of Antibodies to Pseudorabies Virus in Porcine Field Sera, 542
— Evaluation of Feet and Skeletons of Limbs from Pigs Treated with a Repartitioning Agent, Cimaterol, 217
— Evaluation of the ELISA for the Serological Diagnosis of Trichinosis in Canadian Swine, 194
— Experimental Infection of Piglets by Aerosols of *Rhodococcus equi*, 290
— Gross and Histopathological Findings in Unusual Lesions caused by *Streptococcus suis* in Pigs I. Cardiac Lesions, 481
— Gross and Histopathological Findings in Unusual Lesions caused by *Streptococcus suis* in Pigs II. Central Nervous System Lesions, 486
— Malignant Hyperthermia Susceptibility: Cardiac Histomorphometry of Dogs and Young and Market-weight Swine, 50
— Pulmonary Bacterial Deposition and Clearance During Ascarid Larval Migration in Weanling Pigs, 525
— Serological Pathological and Cultural Evaluations of Swine Infected Experimentally with *Mycoplasma flocculare*, 185
— Toxigenic Characteristics of *Clostridium perfringens* Type C in Enterotoxemia of Domestic Animals, 224
— Vaccination of Mice and Swine with a Pseudorabies Virus Mutant Lacking Thymidine Kinase Activity, 340
— Vaccination of Rats and Pigs against *Trichinella spiralis spiralis* using the Subspecies, *T. spiralis nativa*, 370
— Vesicular Exanthema of Swine Virus: Isolation and Serotyping of Field Samples, 358
Pneumonia
— Experimental Infection of Piglets by Aerosols of *Rhodococcus equi*, 290

— Necrobacillary Bronchopneumonia in a Steer, 531
— A Necrotizing Pneumonia in Lambs Caused by Pseudorabies Virus (Aujeszky's Disease Virus), 145
— Protection of Foals Against Experimental *Rhodococcus equi* Pneumonia by Oral Immunization, 444
— Serological Pathological and Cultural Evaluations of Swine Infected Experimentally with *Mycoplasma flocculare*, 185
Postmortem Change
— Rapid Postmortem Gut Autolysis in Infant Rats: A Potential Problem for Investigators, 404
Poultry
— Epidemiological Study of the Relationship between Congo Red Binding *Escherichia coli* and Avian Colisepticemia, 312
Predation
— A Descriptive Study of Dairy Goat Predation in Louisiana, 152
Prednisolone
— Suppression of Cortisol Responses to Exogenous Adrenocorticotrophic Hormone, and the Occurrence of Side Effects Attributable to Glucorticoid Excess, in Cats during Therapy with Megestrol Acetate and Prednisolone, 60
Pseudorabies
— Characterization of Virulent and Attenuated Strains of Pseudorabies Virus for Thymidine Kinase Activity, Virulence and Restriction Patterns, 334
— Evaluation of an Enzyme Immunoassay for Detection of Antibodies to Pseudorabies Virus in Porcine Field Sera, 542
— A Necrotizing Pneumonia in Lambs Caused by Pseudorabies Virus (Aujeszky's Disease Virus), 145
— Pathogenesis of Ovine Pseudorabies (Aujeszky's Disease) Following Intratracheal Inoculation, 326
— Vaccination of Mice and Swine with a Pseudorabies Virus Mutant Lacking Thymidine Kinase Activity, 340
Pulmonary Adenoma
— The Effect of Arsenic on Urethan-induced Adenoma Formation in Swiss Mice, 240
Pulmonary Clearance
— Deposition and Clearance of Monodisperse Aerosols in the Calf Lung: Effects of Particle Size and a Mucolytic Agent (Bromhexine), 306
— Pulmonary Bacterial Deposition and Clearance During Ascarid Larval Migration in Weanling Pigs, 525

R

Rabies
— The Demonstration of Rabies Antigen in Paraffin-embedded Tissues using the Peroxidase-Antiperoxidase Method: A Comparative Study, 117
— Immune Response in Skunks to a Vaccinia Virus Recombinant Expressing the Rabies Virus Glycoprotein, 363
— Safety and Immunogenicity of a Vaccine Bait Containing ERA Strain of Attenuated Rabies Virus, 460
— A Tissue Culture Infection Test in Routine Rabies Diagnosis, 367
Rabbits
— Guaifenesin Alone or in Combination with Ketamine or Sodium Pentobarbital as an Anesthetic in Rabbits, 383
Rats
— Effect of Intratracheal Inoculation of *Pasteurella haemolytica* Cytotoxin on the Integrity of Rat Lung, 533
— Rapid Postmortem Gut Autolysis in Infant Rats: A Potential Problem for Investigators, 404
— Vaccination of Rats and Pigs against *Trichinella spiralis spiralis* using the Subspecies, *T. spiralis nativa*, 370
Reproductive Disorders
— Culling Patterns in Selected Minnesota Swine Breeding Herds, 506
Respiratory Disease
— The Relationship of Hematology and Serum Chemistry Parameters to Treatment for Respiratory Disease and Weight Gain in Ontario Feedlot Calves, 499
Retained Placenta
— Peripartal Changes in Serum Alkaline Phosphatase Activity and Lactate Dehydrogenase Activity in Dairy Cows, 521
Rhodococcus equi
— Antibody Response of Horses to *Rhodococcus equi* Antigens, 301
— Experimental Infection of Piglets by Aerosols of *Rhodococcus equi*, 290
— Polyacrylamide Gel Electrophoresis of Whole-cell Preparations of *Rhodococcus equi*, 297
— Protection of Foals Against Experimental *Rhodococcus equi* Pneumonia by Oral Immunization, 444

S

Saffan
— Effects of Saffan on Cardiopulmonary Function in Healthy Cats, 236
Salmonella muenster
— Plasmids of *Salmonella muenster* and Their Relation to Virulence, 436
Salmonellosis
— Vaccination of Calves with a Diaminopimelic Acid Mutant of *Salmonella typhimurium*, 32
Samoyed Hereditary Glomerulopathy
— Samoyed Hereditary Glomerulopathy: Serial, Clinical and Laboratory (Urine, Serum Biochemistry and Hematology) Studies, 387
— Scanning Electron Microscopy of Cellular and Acellular Glomeruli of Male Dogs Affected with Samoyed Hereditary Glomerulopathy and a Carrier Female, 475
Sarcocystis
— Association of Eosinophilic Myositis with an Unusual Species of *Sarcocystis* in a Beef Cow, 373
Sedation
— Antagonism of Xylazine Induced Sedation by Idazoxan in Calves, 244
Selenium
— Effects of High Dietary Sulphur on Enzyme Activities, Selenium Concentrations and Body Weights of Cattle, 174
Serum Chemistry
— The Relationship of Hematology and Serum Chemistry Parameters to Treatment for Respiratory Disease and Weight Gain in Ontario Feedlot Calves, 499
Serum Enzymes
— Peripartal Changes in Serum Alkaline Phosphatase Activity and Lactate Dehydrogenase Activity in Dairy Cows, 521
Sewage
— Evaluation of Gamma Radiation Levels for Reducing Pathogenic Bacteria and Fungi in Animal Sewage and Laboratory Effluents, 285
Sheep
— Diagnostic Sensitivity and Specificity of an Enzyme-linked Immunosorbent Assay for the Diagnosis of *Brucella ovis* Infection in Rams, 99
— Enzyme-linked Immunosorbent Assay for the Detection of Antibodies to Bovine Virus Diarrhea Virus in Sera from Border Disease Virus-infected Sheep, 281
— Experimental Infection of Sheep and Goats with Transmissible Mink Encephalopathy Virus, 135
— Factors Associated with Productivity in Canadian Sheep Flocks, 39
— Hepatic Serine and Alanine Metabolism during Endotoxin-induced Fever in Sheep, 319
— Isolation of *Giardia* from a Llama and from Sheep, 277
— Pathogenesis of Ovine Pseudorabies (Aujeszky's Disease) Following Intratracheal Inoculation, 326
— A Necrotizing Pneumonia in Lambs Caused by Pseudorabies Virus (Aujeszky's Disease Virus), 145
— Synergistic Hemolysis-Inhibition Titers Associated with Caseous Lymphadenitis in a Slaughterhouse Survey of Goats and Sheep in Northeastern Brazil, 46
Skin
— Avidin-Biotin-Peroxidase Complex Immunohistochemistry to Detect Immunoglobulin in Formalin Fixed Skin Biopsies in Canine Autoimmune Skin Disease, 104
Streptococcus suis
— Gross and Histopathological Findings in Unusual Lesions caused by *Streptococcus suis* in Pigs I. Cardiac Lesions, 481
— Gross and Histopathological Findings in Unusual Lesions caused by *Streptococcus suis* in Pigs II. Central Nervous System Lesions, 486
Strongyles
— Epidemiology of Strongyles in Ponies in Ontario, 470
Strongylus vulgaris
— *Strongylus vulgaris* in the Tunica Media of Arteries of Ponies and Treatment with Ivermectin, 232
Skunks
— Immune Response in Skunks to a Vaccinia Virus Recombinant Expressing the Rabies Virus Glycoprotein, 363
Sulphur
— Effects of High Dietary Sulphur on Enzyme Activities, Selenium Concentrations and Body Weights of Cattle, 174
Surgery
— Extensive Large Colon Resection in the Pony I. Surgical Procedures and Clinical Results, 66
— Extensive Large Colon Resection in the Pony II. Digestibility Studies and Postmortem Findings, 76

T

Thyroid Stimulation Hormone
— Stimulation of Thyroid Hormone Secretion by Thyrotropin in Beluga Whales, *Delphinapterus leucas*, 409

Ticks
— Attempted Transmission to Cattle of *Anaplasma marginale* from Overwintered *Dermacentor andersoni* Ticks, 379

Transmissible Mink Encephalopathy
— Experimental Infection of Sheep and Goats with Transmissible Mink Encephalopathy Virus, 135

Trichinosis
— Detection of *Trichinella spiralis nativa* Antibodies in Porcine Sera by ELISA using *T. spiralis spiralis* Excretory-Secretory Antigen, 413
— Evaluation of the ELISA for the Serological Diagnosis of Trichinosis in Canadian Swine, 194
— Experimental *Trichinella* Infections in Ponies, 415
— Factors Affecting Preconditioning of *Trichinella spiralis nativa* Larvae in Musculature to Low Temperatures, 169
— Vaccination of Rats and Pigs against *Trichinella spiralis spiralis* using the Subspecies, *T. spiralis nativa*, 370

U

Ureaplasma diversum
— The Effect of Intrauterine Inoculation with *Ureaplasma diversum* on Bovine Fertility, 440
— The Effects of Two *Ureaplasma diversum* Strains on Early Pregnancy in Heifers, 536
— *In vitro* Exposure of Bovine Morulae to *Ureaplasma diversum*, 198

V

Vaccination
— Experimental Intramammary Inoculation with *Mycoplasma bovis* in Vaccinated and Unvaccinated Cows: Effect on Local and Systemic Antibody Response, 121
— Immune Response in Skunks to a Vaccinia Virus Recombinant Expressing the Rabies Virus Glycoprotein, 363
— Protection of Foals Against Experimental *Rhodococcus equi* Pneumonia by Oral Immunization, 444
— Safety and Immunogenicity of a Vaccine Bait Containing ERA Strain of Attenuated Rabies Virus, 460
— Vaccination of Mice and Swine with a Pseudorabies Virus Mutant Lacking Thymidine Kinase Activity, 340
— Vaccination of Rats and Pigs against *Trichinella spiralis spiralis* using the Subspecies, *T. spiralis nativa*, 370
— Vaccination Studies Against Experimental Bovine *Pasteurella* Pneumonia, 204

Vesicular Exanthema
— Vesicular Exanthema of Swine Virus: Isolation and Serotyping of Field Samples, 358

Virulence
— Characterization of Virulent and Attenuated Strains of Pseudorabies Virus for Thymidine Kinase Activity, Virulence and Restriction Patterns, 334

von Willebrand's Disease
— The Effects of Desmopressin on Plasma Factor VIII/von Willebrand Factor Activity in Dogs with von Willebrand's Disease, 189

W

Whales
— Stimulation of Thyroid Hormone Secretion by Thyrotropin in Beluga Whales, *Delphinapterus leucas*, 409

X

Xylazine
— Antagonism of Xylazine Induced Sedation by Idazoxan in Calves, 244

Letters to the Editor — Lettres à le rédacteur

Experimental Studies of Infectious Respiratory Disease, 417